

8. (Amended) A cell driving type actuator according to claim 154, wherein the surface roughness R_t of the wall surfaces of the piezoelectric/electrostrictive elements is approximately 10 μm or less, said piezoelectric/electrostrictive elements facing one another and forming said cells.

9. (Amended) A cell driving type actuator according to claim 154, wherein ~~the~~ width of the ~~comb-like~~ piezoelectric/electrostrictive elements varies from a recess to the front end of the ~~comb teeth~~ piezoelectric/electrostrictive elements.

10. (Amended) A cell driving type actuator according to claim ~~15~~ 15, wherein ~~the~~ spacing distance between the adjacent piezoelectric/electrostrictive elements forming at least one of said cells is different from a spacing distance between piezoelectric/electrostrictive elements forming at least one other cell, ~~or the spacing between said cell and the adjacent cell has at least two different values.~~

14. (Amended) A use of a cell driving type actuator as a liquid discharging device: said actuator ~~wherein~~ comprising a plurality of piezoelectric/electrostrictive elements ~~are arranged in alignment like teeth of a comb on a base plate and~~ extending perpendicularly therefrom, wherein side walls of each piezoelectric/electrostrictive element are formed by firing only, ~~said actuator is a piezoelectric/electrostrictive actuator being driven by means of dislocation of piezoelectric/electrostrictive elements,~~

wherein each ~~a~~ plurality of cells ~~is~~are formed independently from ~~one another~~its adjacent cells by ~~joining top portions of~~ closing respective planes being positioned between two adjacent piezoelectric/electrostrictive elements and facing the base plate with respective cover plates to define the cells ~~and wherein, each of said cells is~~being used as a liquid pressurizing chamber, and said piezoelectric/electrostrictive elements are displaced by applying a driving electric field thereto in the same direction as the polarization field of said piezoelectric/electrostrictive elements, ~~thus deforming to deform~~ said liquid chamber, ~~thereby enabling to enable~~ a liquid filled in said liquid chamber to be discharged in the direction of the front end of the ~~piezoelectric/electrostrictive elements~~ ~~comb teeth~~.

SUMMARY OF THE DISCLOSURE ABSTRACT

A piezoelectric/electrostrictive actuator including wherein a plurality of piezoelectric/electrostrictive elements are arranged like teeth of a comb in teeth-like alignment on a base plate, ~~said and the~~ actuator being driven by the displacement of ~~the said~~ piezoelectric/electrostrictive elements. A cell is formed by closed a plane facing said base plate and being positioned between two by adjacent piezoelectric/electrostrictive elements extending upwardly from the base plate and having with a cover plate joining top portions of the adjacent piezoelectric/electrostrictive elements. The cells ~~are~~ is formed in such a manner that each cell ~~it is independent from of its~~ adjacent cells. Activation with a higher field strength is possible, and a greater displacement can be realized with a weaker field strength.